ABSTRACT

Repeat fixation for medical procedures is accomplished using a non-invasive locator, specifically a face mask. The face mask has at least three fiducial markers on it. By detecting the position of the markers, the position of features within the patient can be determined with great precision. The features can be the location of head or neck cancer or other target to which radiation or other medical procedure is to be applied. Since the face mask has been molded to uniquely fit to the patient's face, it may be removed after an initial imaging of the patient. The face mask may then be re-attached one or more times to the teeth. The face mask is molded to conform to the patient's face by using thermoplastic material.